

METHOD AND APPARATUS FOR A CONTROL CHANNEL POWER ALLOCATION IN A COMMUNICATION SYSTEM

ABSTRACT

An apparatus and a method for a control channel power allocation in a communication system are disclosed. The method of control channel power allocation in an embodiment includes sorting a plurality of access terminals in an order of increasing required medium access control (MAC) channel power into a plurality of bins, sorting the access terminals with equal required MAC channel power in an order of decreasing forward link signal to interference and noise ratio (FL_SINR) if two or more access terminals have equal required MAC channel power, and determining total available ARQ power based upon total MAC channel power, total power allocated to reverse power control (RPC) channels, and total power allocated to reverse activity bit (RAB) channels.